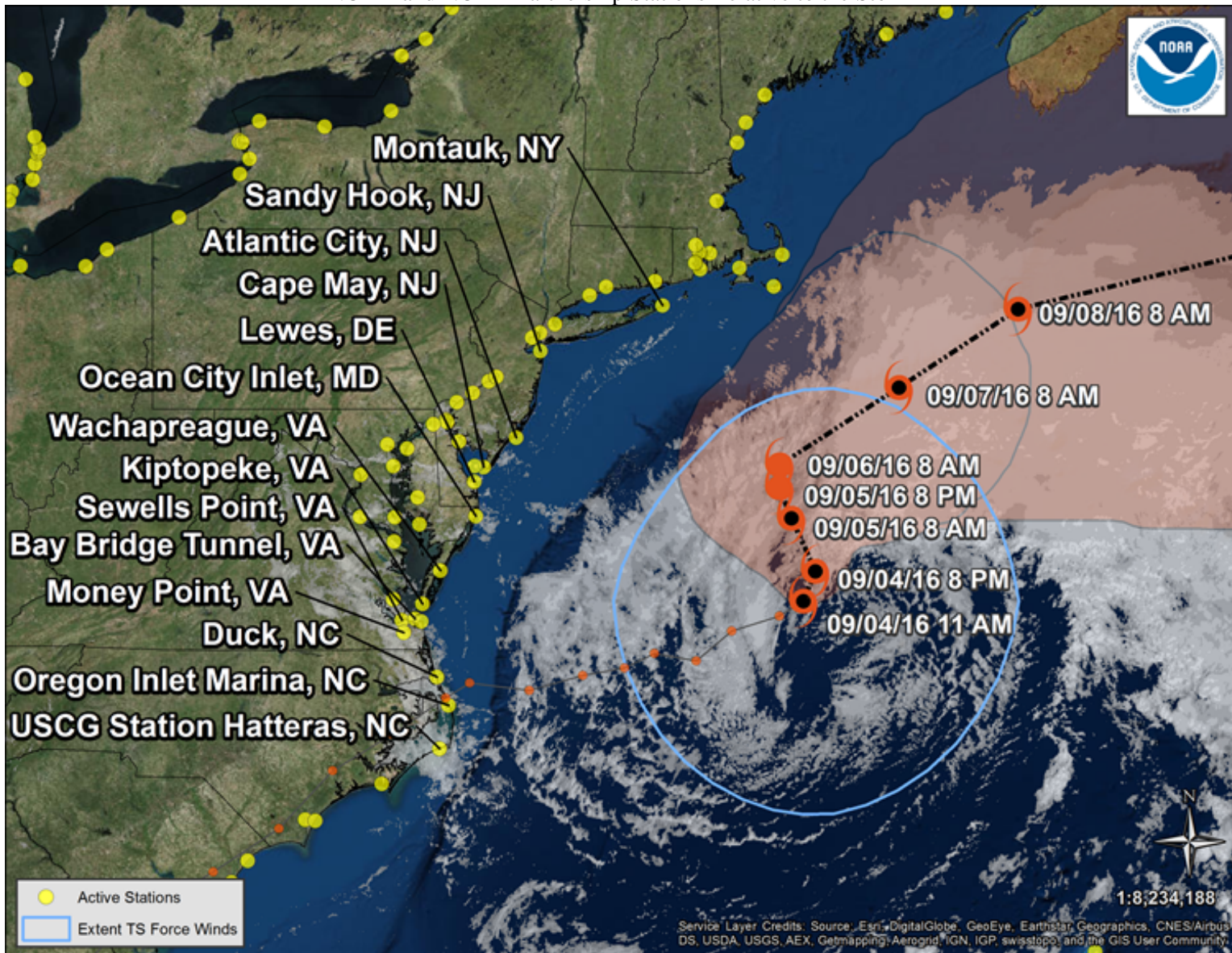




Post-tropical Storm HERMINE QuickLook Posted: 12:00 AST 09/04/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/04/2016 12:00 AST, water levels continue to be elevated along the Mid-Atlantic coast due to Hermine. At this time, the highest residual water levels are observed in southern Chesapeake Bay, including the Hampton Roads area where water levels remain up to 1.8 feet above normal tide levels. Along the Atlantic Seaboard from USCG Hatteras, NC to Atlantic City, NJ, water levels range from .8 to 1.7 feet above tidal predictions. Water levels from Sandy Hook, NJ to Montauk, NY including the New York City area are slightly elevated by less than 1 foot above

normal tide levels.

While winds have decreased as Hermine has moved farther off the coast, the highest winds are still observed along the coast from USCG Hatteras, NC to Lewes, DE and range from 10 to 20 knots with gusts to 25 knots. Barometric pressure is increasing as the storm has moved off shore.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: ADM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

POST-TROPICAL CYCLONE HERMINE ADVISORY NUMBER 29
NWS NATIONAL HURRICANE CENTER MIAMI FL
1100 AM AST SUN SEP 04 2016

...HERMINE EXPECTED TO TURN NORTHWARD LATER TODAY...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning south of Cape Charles Light has been discontinued.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- * Cape Charles Light to west of Watch Hill
- * Delaware Bay

A Tropical Storm Watch is in effect for...

- * Watch Hill to Sagamore Beach
- * Block Island
- * Martha's Vineyard
- * Nantucket

For storm information specific to your area, including possible inland watches and warnings, please monitor products issued by your local National Weather Service forecast office.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM AST, the center of Post-Tropical Cyclone Hermine was located ABOUT 295 MI SSE OF THE EASTERN TIP OF LONG ISLAND and ABOUT 310 MI ESE OF OCEAN CITY MARYLAND. The post-tropical cyclone is moving toward the east-northeast near 10 mph. A turn toward the north with a decrease in forward speed

is expected later today, followed by a slow north-northwestward motion through Monday. On the forecast track, the center of Hermine will meander slowly offshore of the mid-Atlantic coast for the next couple of days.

Maximum sustained winds have increased to near 70 mph with higher gusts. Hermine is expected to be at or near hurricane strength during the next 48 hours.

Tropical-storm-force winds extend outward up to 205 miles from the center.

The minimum central pressure estimated from Air Force reconnaissance aircraft observations is 999 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions will spread northward within the warning area along the Atlantic coast through Monday. Tropical storm conditions are possible in the watch area by Monday.

STORM SURGE: The combination of a storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline. Along the immediate coastline, the surge will be accompanied by large and dangerous waves. There is a danger of life-threatening inundation within the next 36 hours from Cape Charles, Virginia, to Sandy Hook, New Jersey. Persons within these areas should take all necessary actions to protect life and property from rising water. Promptly follow all instructions, including evacuation orders, from local officials. There is also the possibility of life-threatening inundation during the next 48 hours at many coastal locations between Sandy Hook, New Jersey, and Bridgeport, Connecticut, including Long Island.

For a depiction of areas at risk, please see the Prototype Storm Surge Watch/Warning graphic, which displays areas that would qualify for inclusion under a storm surge watch or warning currently under development by the National Weather Service and planned for operational use in 2017. The Prototype Graphic is available at www.hurricanes.gov/graphics_at4.shtml?wsurge

The water could reach the following heights above ground if the peak surge occurs at the time of high tide...

North Carolina sounds and northern Outer Banks...1 to 2 feet
Cape Charles to Chincoteague, VA...2 to 4 feet
Chincoteague, VA to Atlantic City, NJ...3 to 5 feet
Atlantic City to Sandy Hook, NJ...2 to 4 feet
Sandy Hook, NJ to Bridgeport, CT including Long Island...1 to 3 feet

RAINFALL: Heavy rainfall associated with Hermine will remain offshore through Monday/Labor Day. Hermine will produce rainfall amounts of 1 to 2 inches over southern New England from Long Island to eastern Massachusetts, and additional rainfall of one inch or less along the coastline of the mid-Atlantic states.

SURF: Large waves generated by Hermine will affect the U.S. east coast from the mid-Atlantic states and expand northward along the coast of southern New England through Monday. These waves are likely to cause life-threatening surf and rip current conditions, and significant beach erosion. Please consult products from your local weather office.

NEXT ADVISORY

Next intermediate advisory at 200 PM AST.
Next complete advisory at 500 PM AST.

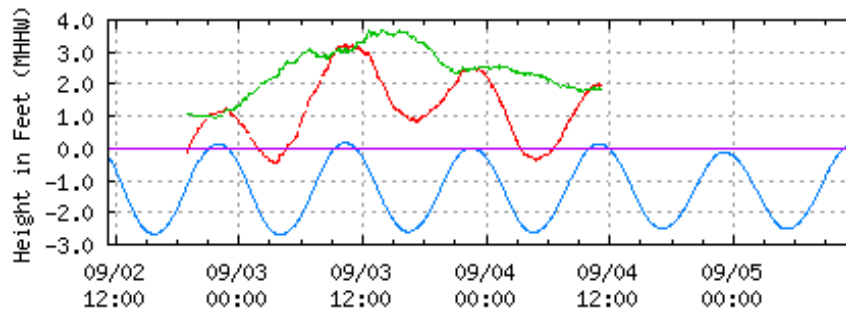
\$\$

Forecaster Pasch/Roberts

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Sewells Point - Water Level](#), [Sewells Point - Barometric](#), [Money Point - Water Level](#), [Money Point - Winds](#), [Kiptopeke - Water Level](#), [Kiptopeke - Winds](#), [Wachapreague - Water Level](#), [Wachapreague - Barometric](#), [Ocean City Inlet - Water Level](#), [Ocean City Inlet - Winds](#), [Ocean City Inlet - Barometric](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Cape May - Water Level](#), [Cape May - Winds](#), [Atlantic City - Water Level](#), [Atlantic City - Barometric](#), [Sandy Hook - Water Level](#), [Sandy Hook - Winds](#), [Sandy Hook - Barometric](#), [Montauk - Water Level](#), [Montauk - Barometric](#), [Duck - Water Level](#), [Duck - Winds](#), [Oregon Inlet Marina - Water Level](#), [Oregon Inlet Marina - Winds](#), [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#)

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

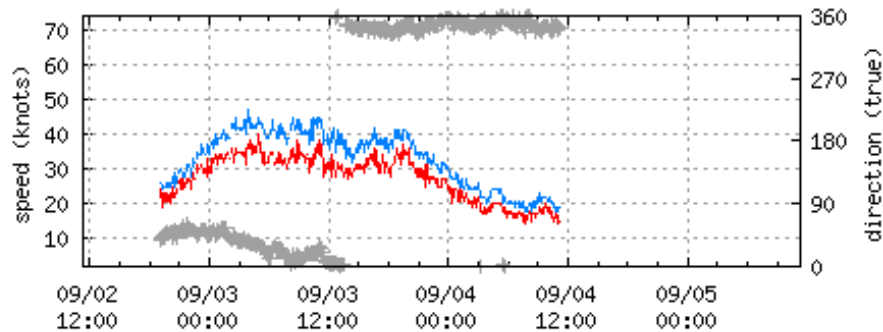
Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

Observed: 1.99 ft. Predicted: 0.13 ft. Residual: 1.86 ft.

Historical Maximum Water Level: Nov 12 2009, 4.66 ft.

Next High Tide: 09/04/2016 23:08 (EDT), -0.12 ft.

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA
Wind Speed / Gusts / Direction

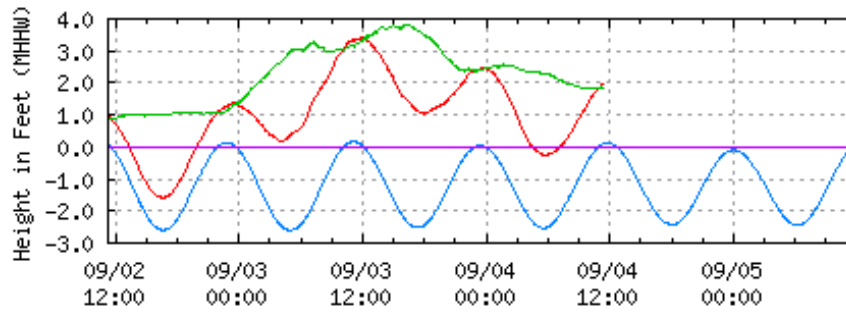


speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:12 (EDT)

Wind Speed: 16 knots Gusts: 20 knots Direction: 345° T

NOAA/NOS/CO-OPS 8638610 Sewells Point, VA
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

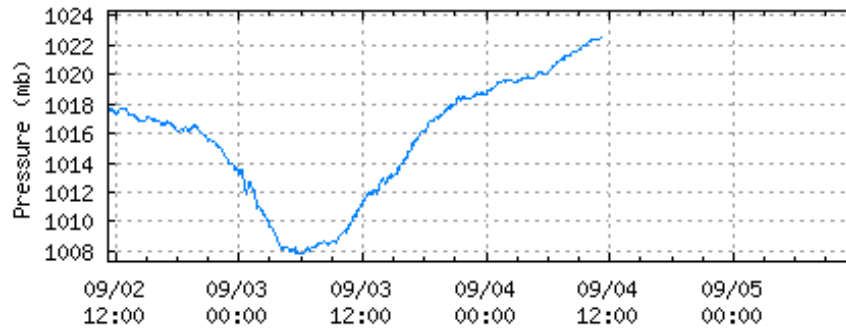
Last Observed Sample: 09/04/2016 11:18 (EDT). Data relative to MHHW

Observed: 1.94 ft. Predicted: 0.09 ft. Residual: 1.85 ft.

Historical Maximum Water Level: Aug 23 1933, 5.26 ft.

Next High Tide: 09/04/2016 11:47 (EDT), 0.13 ft.

NOAA/NOS/CO-OPS 8638610 Sewells Point, VA
Barometric Pressure

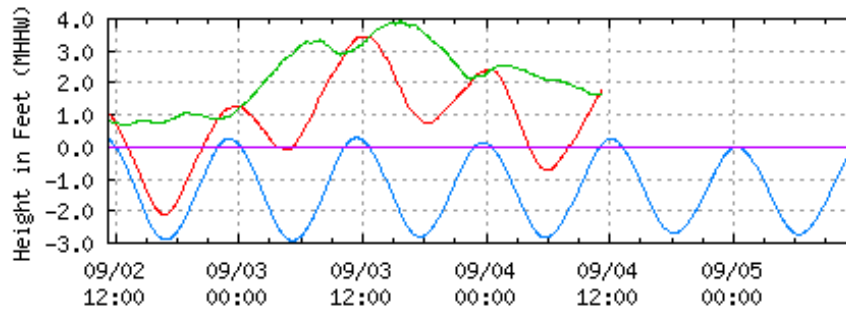


barometric pressure —

Last Observed Sample: 09/04/2016 11:18 (EDT)

Barometric Pressure: 1022.5 mb

NOAA/NOS/CO-OPS 8639348 Money Point, VA
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

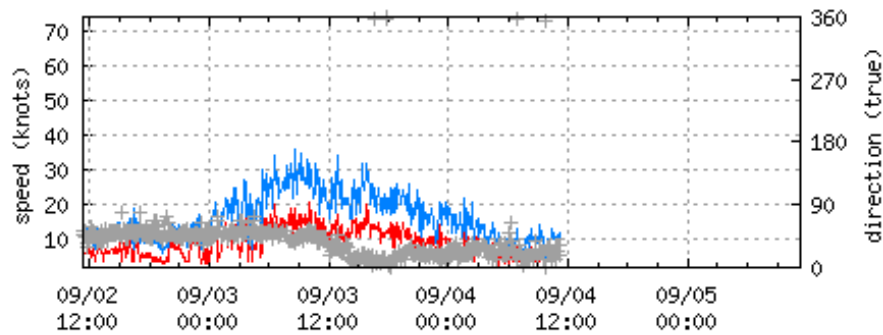
Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

Observed: 1.74 ft. Predicted: 0.08 ft. Residual: 1.66 ft.

Historical Maximum Water Level: Nov 13 2009, 5.37 ft.

Next High Tide: 09/04/2016 12:06 (EDT), 0.25 ft.

NOAA/NOS/CO-OPS 8639348 Money Point, VA
Wind Speed / Gusts / Direction

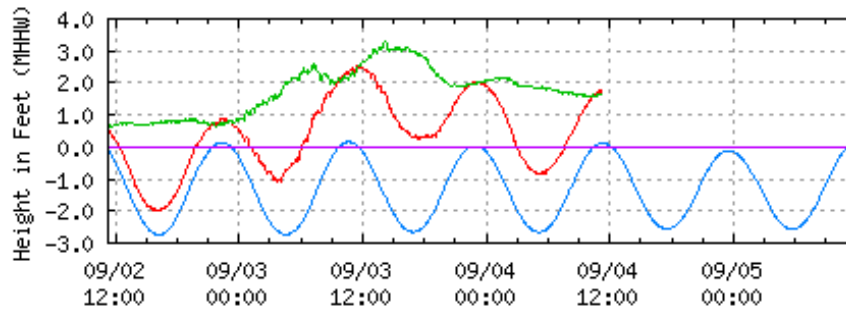


speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:12 (EDT)

Wind Speed: 7 knots Gusts: 11 knots Direction: 31° T

NOAA/NOS/CO-OPS 8632200 Kiptopeke, VA
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

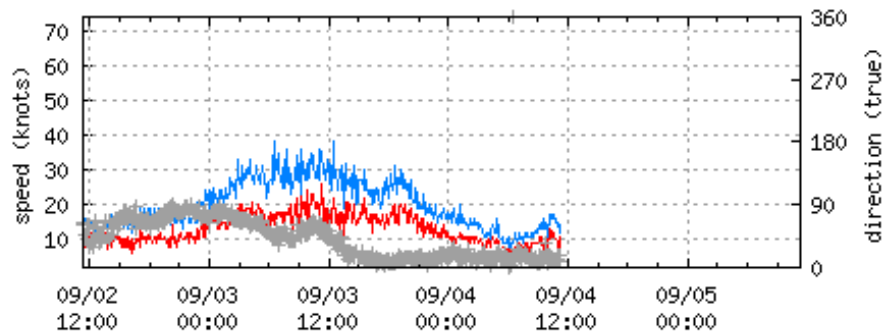
Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

Observed: 1.74 ft. Predicted: 0.12 ft. Residual: 1.62 ft.

Historical Maximum Water Level: Mar 8 1962, 4.13 ft.

Next High Tide: 09/04/2016 11:17 (EDT), 0.13 ft.

NOAA/NOS/CO-OPS 8632200 Kiptopeke, VA
Wind Speed / Gusts / Direction

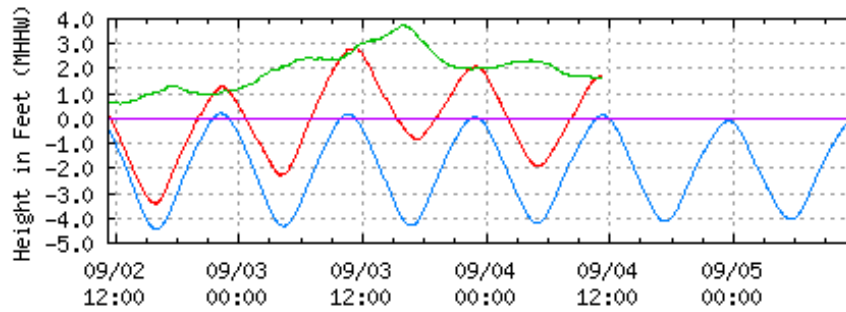


speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:12 (EDT)

Wind Speed: 11 knots Gusts: 14 knots Direction: 10° T

NOAA/NOS/CO-OPS 8631044 Wachapreague, VA
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

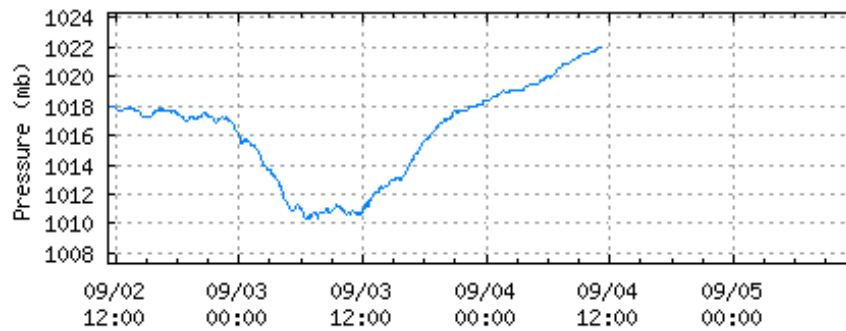
Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

Observed: 1.72 ft. Predicted: 0.13 ft. Residual: 1.59 ft.

Historical Maximum Water Level: Feb 5 1998, 4.41 ft.

Next High Tide: 09/04/2016 11:20 (EDT), 0.14 ft.

NOAA/NOS/CO-OPS 8631044 Wachapreague, VA
Barometric Pressure

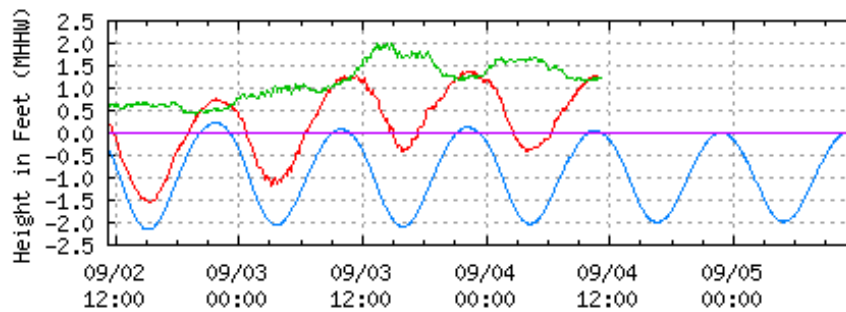


barometric pressure —

Last Observed Sample: 09/04/2016 11:12 (EDT)

Barometric Pressure: 1021.9 mb

NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

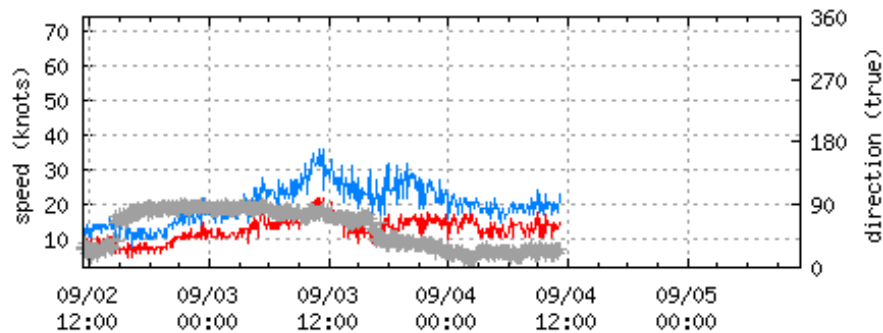
Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

Observed: 1.23 ft. Predicted: 0.01 ft. Residual: 1.22 ft.

Historical Maximum Water Level: Feb 5 1998, 3.61 ft.

Next High Tide: 09/04/2016 22:47 (EDT), 0.01 ft.

NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD
Wind Speed / Gusts / Direction

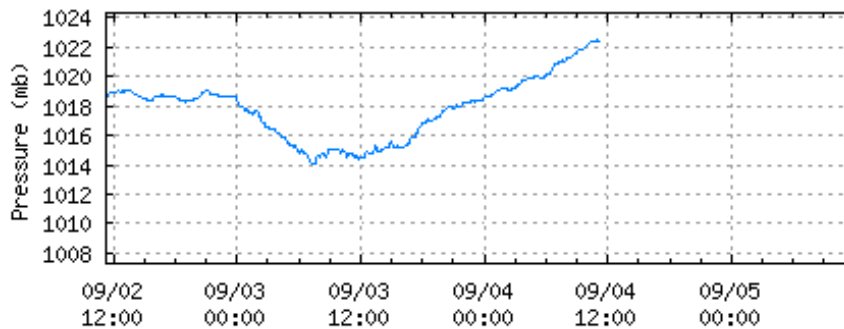


speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:12 (EDT)

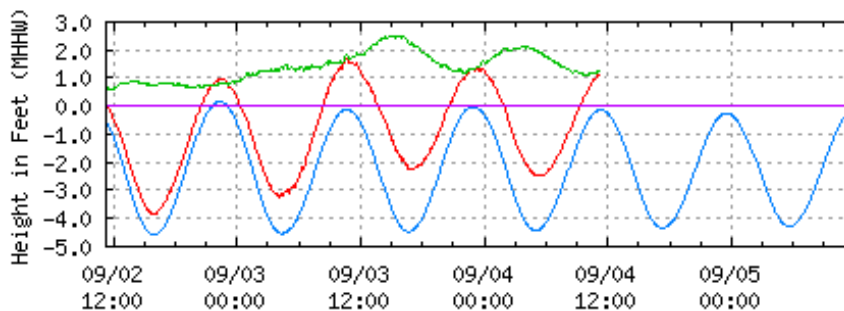
Wind Speed: 14 knots Gusts: 20 knots Direction: 26° T

NOAA/NOS/CO-OPS 8570283 Ocean City Inlet, MD
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/04/2016 11:12 (EDT)
Barometric Pressure: 1022.5 mb

NOAA/NOS/CO-OPS 8557380 Lewes, DE
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

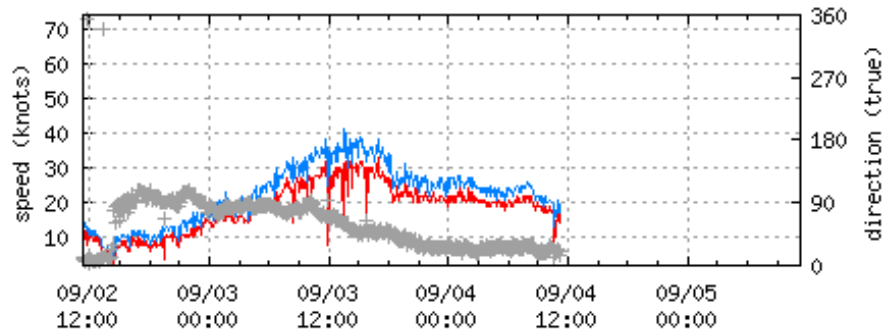
Observed: 1.13 ft. Predicted: -0.14 ft. Residual: 1.27 ft.

Historical Maximum Water Level: Mar 6 1962, 4.57 ft.

Next High Tide: 09/04/2016 11:17 (EDT), -0.14 ft.

NOAA/NOS/CO-OPS 8557380 Lewes, DE

Wind Speed / Gusts / Direction



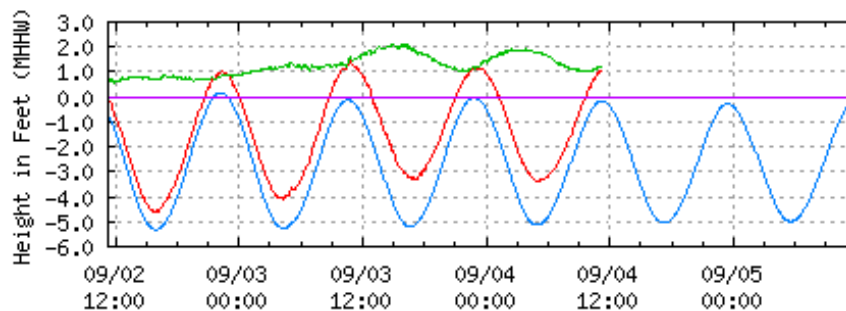
speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:12 (EDT)

Wind Speed: 14 knots Gusts: 17 knots Direction: 15° T

NOAA/NOS/CO-OPS 8536110 Cape May, NJ

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

Last Observed Sample: 09/04/2016 11:18 (EDT). Data relative to MHHW

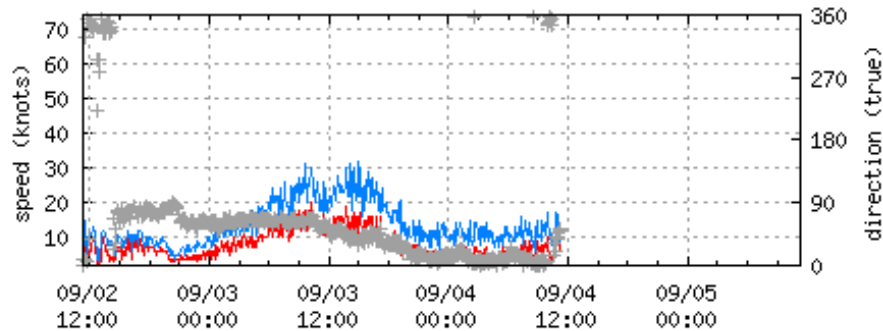
Observed: 1.06 ft. Predicted: -0.18 ft. Residual: 1.24 ft.

Historical Maximum Water Level: Oct 29 2012, 3.44 ft.

Next High Tide: 09/04/2016 23:27 (EDT), -0.29 ft.

NOAA/NOS/CO-OPS 8536110 Cape May, NJ

Wind Speed / Gusts / Direction



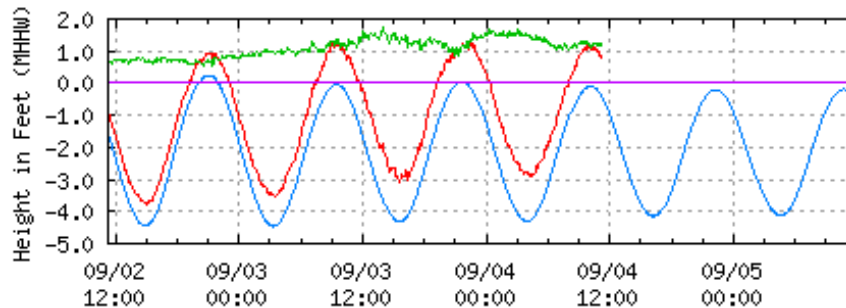
speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:18 (EDT)

Wind Speed: 6 knots Gusts: 10 knots Direction: 24° T

NOAA/NOS/CO-OPS 8534720 Atlantic City, NJ

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

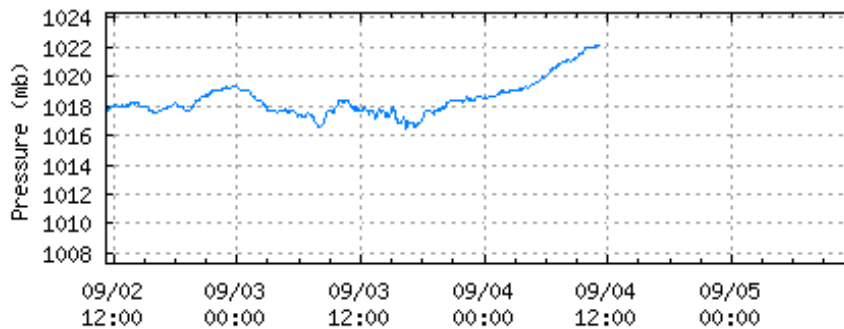
Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

Observed: 0.84 ft. Predicted: -0.41 ft. Residual: 1.25 ft.

Historical Maximum Water Level: Dec 11 1992, 4.38 ft.

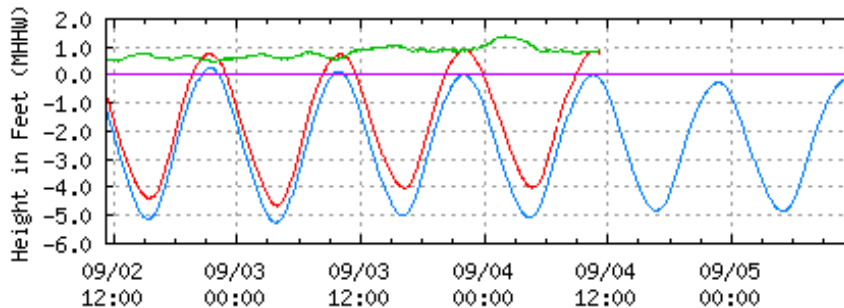
Next High Tide: 09/04/2016 22:17 (EDT), -0.20 ft.

NOAA/NOS/CO-OPS 8534720 Atlantic City, NJ
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/04/2016 11:12 (EDT)
Barometric Pressure: 1022.1 mb

NOAA/NOS/CO-OPS 8531680 Sandy Hook, NJ
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

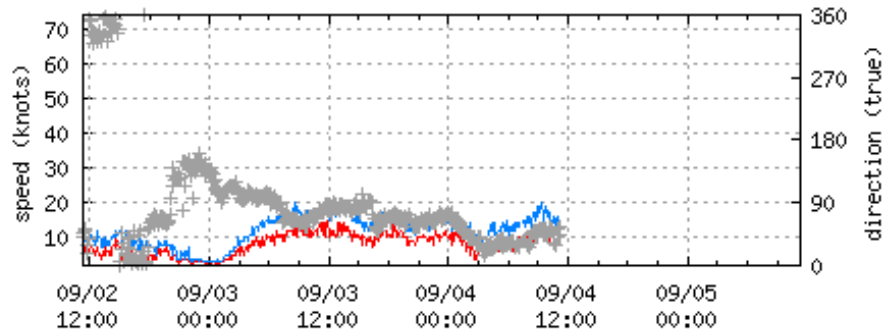
Observed: 0.75 ft. Predicted: -0.13 ft. Residual: 0.88 ft.

Historical Maximum Water Level: Sep 12 1960, 4.86 ft.

Next High Tide: 09/04/2016 22:44 (EDT), -0.26 ft.

NOAA/NOS/CO-OPS 8531680 Sandy Hook, NJ

Wind Speed / Gusts / Direction



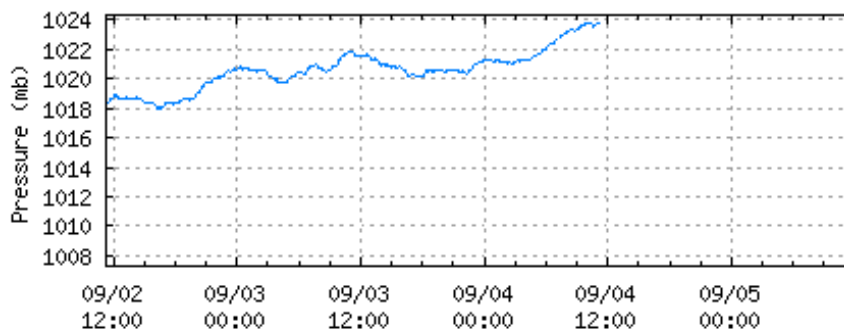
speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:12 (EDT)

Wind Speed: 10 knots Gusts: 13 knots Direction: 57° T

NOAA/NOS/CO-OPS 8531680 Sandy Hook, NJ

Barometric Pressure

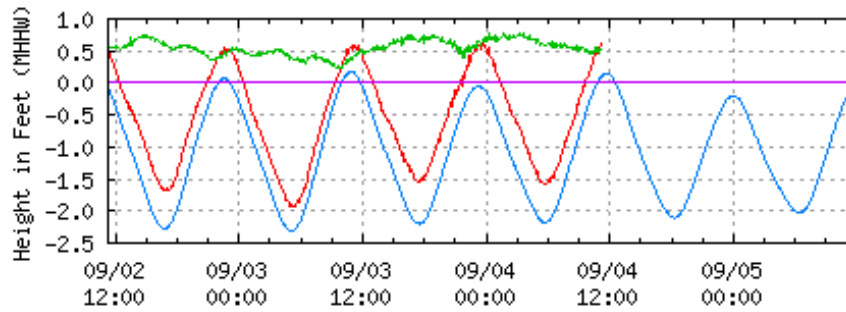


barometric pressure —

Last Observed Sample: 09/04/2016 11:12 (EDT)

Barometric Pressure: 1023.9 mb

NOAA/NOS/CO-OPS 8510560 Montauk, NY
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

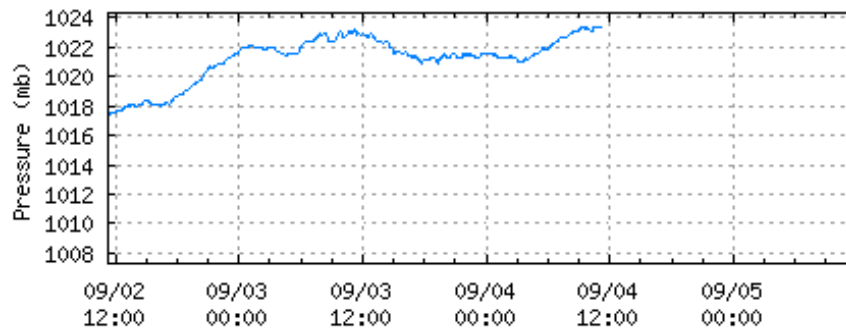
Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

Observed: 0.64 ft. Predicted: 0.10 ft. Residual: 0.54 ft.

Historical Maximum Water Level: Aug 31 1954, 5.91 ft.

Next High Tide: 09/04/2016 11:40 (EDT), 0.15 ft.

NOAA/NOS/CO-OPS 8510560 Montauk, NY
Barometric Pressure

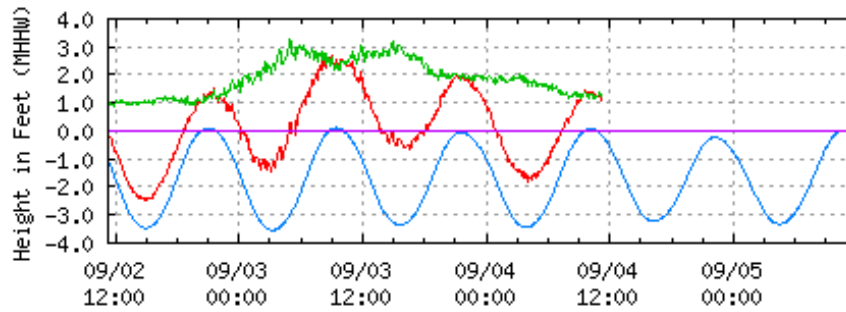


barometric pressure —

Last Observed Sample: 09/04/2016 11:12 (EDT)

Barometric Pressure: 1023.3 mb

NOAA/NOS/CO-OPS 8651370 Duck, NC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

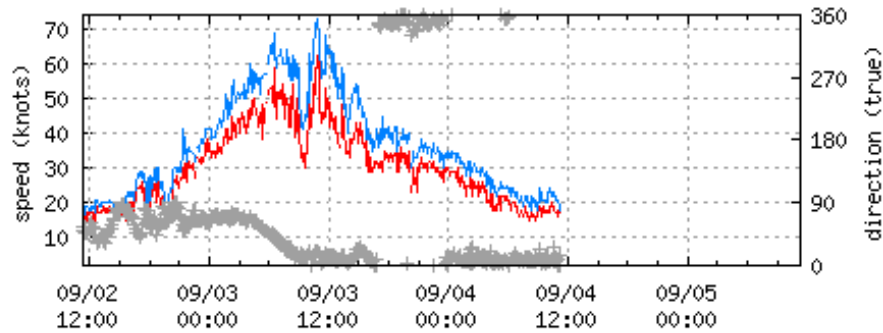
Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

Observed: 1.11 ft. Predicted: -0.16 ft. Residual: 1.27 ft.

Historical Maximum Water Level: Sep 18 2003, 4.13 ft.

Next High Tide: 09/04/2016 22:13 (EDT), -0.23 ft.

NOAA/NOS/CO-OPS 8651370 Duck, NC
Wind Speed / Gusts / Direction

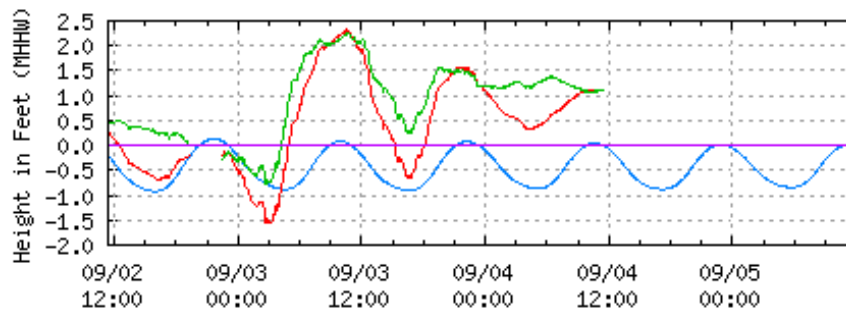


speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:12 (EDT)

Wind Speed: 17 knots Gusts: 18 knots Direction: 1° T

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

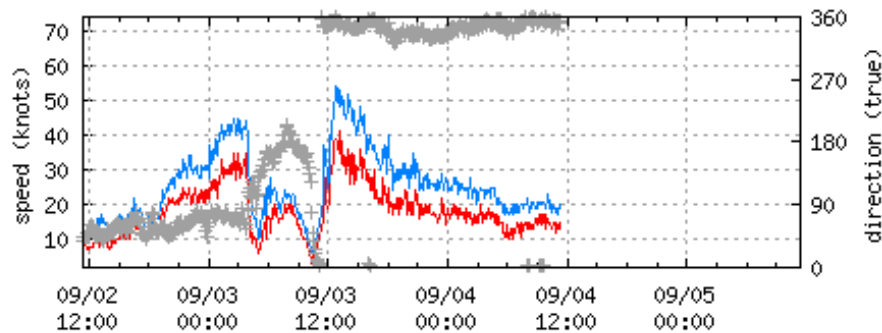
Last Observed Sample: 09/04/2016 11:24 (EDT). Data relative to MHHW

Observed: 1.12 ft. Predicted: 0.01 ft. Residual: 1.11 ft.

Historical Maximum Water Level: Aug 28 2011, 6.32 ft.

Next High Tide: 09/04/2016 22:52 (EDT), 0.01 ft.

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC
Wind Speed / Gusts / Direction

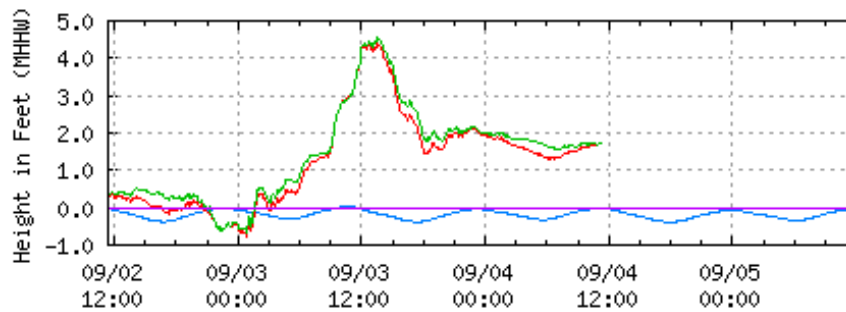


speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:24 (EDT)

Wind Speed: 13 knots Gusts: 20 knots Direction: 353° T

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

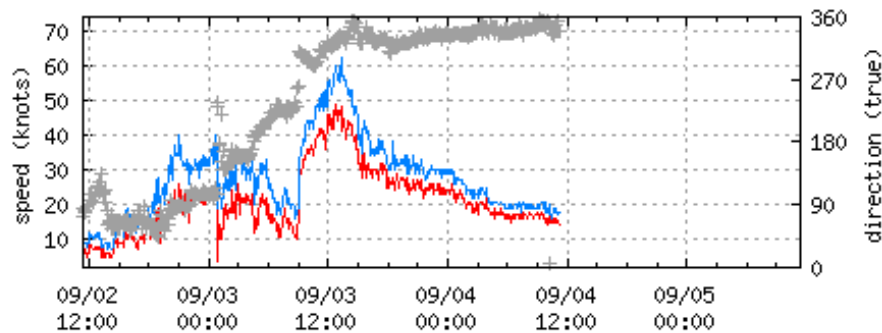
Last Observed Sample: 09/04/2016 11:12 (EDT). Data relative to MHHW

Observed: 1.70 ft. Predicted: -0.01 ft. Residual: 1.71 ft.

Historical Maximum Water Level: Oct 29 2012, 4.02 ft.

Next High Tide: 09/04/2016 11:17 (EDT), -0.01 ft.

NOAA/NOS/CO-OPS 8654467 USCG Station Hatteras, NC
Wind Speed / Gusts / Direction



speed — gusts — direction +

Last Observed Sample: 09/04/2016 11:12 (EDT)

Wind Speed: 14 knots Gusts: 18 knots Direction: 339° T

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8638863	Chesapeake Bay Bridge Tunnel, VA	09/04/2016 11:12 (EDT)	1.99 ft	0.13 ft	1.86 ft	3.23 ft
8638610	Sewells Point, VA	09/04/2016 11:18 (EDT)	1.94 ft	0.09 ft	1.85 ft	3.40 ft
8639348	Money Point, VA	09/04/2016 11:12 (EDT)	1.74 ft	0.08 ft	1.66 ft	3.45 ft
8632200	Kiptopeke, VA	09/04/2016 11:12 (EDT)	1.74 ft	0.12 ft	1.62 ft	2.52 ft
8631044	Wachapreague, VA	09/04/2016 11:12 (EDT)	1.72 ft	0.13 ft	1.59 ft	2.83 ft
8570283	Ocean City Inlet, MD	09/04/2016 11:12 (EDT)	1.23 ft	0.01 ft	1.22 ft	1.39 ft
8557380	Lewes, DE	09/04/2016 11:12 (EDT)	1.13 ft	-0.14 ft	1.27 ft	1.55 ft
8536110	Cape May, NJ	09/04/2016 11:18 (EDT)	1.06 ft	-0.18 ft	1.24 ft	1.22 ft
8534720	Atlantic City, NJ	09/04/2016 11:12 (EDT)	0.84 ft	-0.41 ft	1.25 ft	1.27 ft
8531680	Sandy Hook, NJ	09/04/2016 11:12 (EDT)	0.75 ft	-0.13 ft	0.88 ft	0.91 ft
8510560	Montauk, NY	09/04/2016 11:12 (EDT)	0.64 ft	0.10 ft	0.54 ft	0.64 ft
8651370	Duck, NC	09/04/2016 11:12 (EDT)	1.11 ft	-0.16 ft	1.27 ft	2.14 ft
8652587	Oregon Inlet Marina, NC	09/04/2016 11:24 (EDT)	1.12 ft	0.01 ft	1.11 ft	2.08 ft
8654467	USCG Station Hatteras, NC	09/04/2016 11:12 (EDT)	1.70 ft	-0.01 ft	1.71 ft	4.38 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce